

Work Order ID 57449



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April 7, 2010 9:53:	45 AM						,			1 age 1
Revision ID:	30-701-041		Accept				s s	Setup Sta		
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Sequence ID/ Work Center ID	Operation Description		Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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W/O:		191	W	ORK ORDER CHANG	ES				4
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No		PAR #:							
	R	esolution:	<u> </u>					Date: _	
NCR:			WORK ORD	PER NON-CONFORMA	ANCE (NC	R)			
DATE	STEP	Description of NC Section A	Initial	on B Sign		fication	Approval	Approval	
		Section A	Chief Eng	Action Description Chief Eng	Dat		cion C	Chief Eng	QC Inspector
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Wòrk Ord e April 7, 2010–9.		149									Page 2
Item ID: Revision ID: Item Name: Start Date: Required Date: Reference:	D130-701-04 Heli-Utility-Ba: 07/04/2010 16/04/2010		1881 186 188 1881 186 188	Accept	Cust Iten Customer	4	i il i il il il il il	Setup	Start Stop	i inniiini n	
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NCR:		'	WORK OR	DER NON-CONFORMA	ANCE (I	VCR)	:			2 3277
DATE	STEP	Description of NC Section A	Initial	Corrective Action Section Action Description	S	ign &	Verific Secti		Approval Chief Eng	Approval QC Inspector
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Work Order ID 5	7449
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April 7, 2010 9:53:45 AM



Page 3

Item ID:

D130-701-041

Accept

Setup Start

Stop



Revision ID:

Item Name:

Heli-Utility-Basket

Start Date:

07/04/2010

Start Qty: 1.00

Required Date: 16/04/2010

Req'd Qty: 1.00



Cust Item ID:

Customer:

Draw

Number

Reference:

Approvals:

QC:_

Process Plan: _____ Date: ____ Tooling:

Date: Date:

Draw

Rev.

Plan

Code

Run

Start

Stop

Sequence ID/

Work Center ID

160

Packaging

Packaging

Operation Description

Packaging

Set Up/

Date:____

Run Hours

SPC (Y/N):

0.00

0.00

Identify and pack for shipping as per PPP D130-701-041

Location:

Memo

Memo

PPP Rev:

170

QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

0.00

Accept

Qty

Reject

Reject Number

Insp. Stamp

Dart Aerospace Ltd W/O: **WORK ORDER CHANGES Approval** DATE **Approval STEP** PROCEDURE CHANGE By Qtv Date Chief Eng / Prod Mgr QC Inspector Part No: ______ PAR #: ____ Fault Category: _____ NCR: Yes No DQA: ___ Date: ___ Resolution: _____ QA: N/C Closed: ___ Date: **WORK ORDER NON-CONFORMANCE (NCR)** NCR: **Corrective Action** Section B **Description of NC** Verification DATE Approval **Approval STEP Action Description** Sign & Initial Section A Section C Chief Eng QC Inspector Chief Eng Chief Eng Date

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Work Order ID: 5744	49						1				
Parent Item: D13	0-701-041		111111						İ		t h
Parent Item Name:	Heli-Utility-Basket		11201	112 1961 11694 1161 6411 (1188 (1 186 (1 8 8 18 1 16 8 1 1 1 1 1 1 1 1 1 1 1 1	(1 8811)		Si	tart Date: 07/04/2010	Required Da	tate: 16/04/2010
Comments:	IPP Rev:A□02.12.0 IPP Rev:B 07-06-2	04□New issue□KJ 28 As per Rev		I				S	Start Qty: 1.00	Required Q	
Component Item ID/ Item Name D2512 Basket Lid 205/350	Replacement Item ID	Mfg/ Purch Manufactured	Bin Item No	Primary Location	Last Location	Route Seq ID 110	Unit of Measure Each	Qty on Hand 1.0000	Remaining Qty Qty To Pick Issued	Date Issued	
				<u>Warehou</u> <u>Loca</u> Main Wa GA	tion	Loc Q	ety !	Loc Code	B	57451	
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D3172-041		Manufactured	No			35	Each 7450	0.0000	1.0000	0/08/0	
D2022-101	184 BB	Manufactured	No			110	Each	317.0000	2.0000	1/5 8	· • · · · · · · · · · · · · · · · · · ·
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Part No):	PAR #:	Fault Ca	tegory:	_ NCR: Yes	No DO	A:	_ Date: _	
	R	esolution:	Disposit	ion:	_ QA: N/C	Closed: _		Date: _	-
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Parent Item: D130-701-041									•	ļ		\$
Parent Item Name: Heli-Utility-Basket		11251	31 0 1001 11000 111111 30 12 11	46)	II 80111 BIOOLIJOS 1601		 S	tart Date:	07/04/2010	Re	quired Date:	16/04/2010
Comments: IPP Rev:A \(\times 02.12.0 \) IPP Rev:B 07-06-			ſ				! !	Start Qty:	1	1	equired Qty:	•
Component Item ID/ Item Name D2258-220 Placard Replacement Item ID Replacement Item ID	Mfg/ Purch Manufactured	Bin Item No	Primary Location	Last Location	Route Seq ID	Unit of Measure Each	Qty on Hand 17.0000	Remaini Qty To I 1.0000		32	Date Issued	Status
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Part No	:	PAR #:	Fault Ca	tegory:	_ NCR: Yes	No DC	A:	Date:	
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NCR:		V	VORK OR	DER NON-CONFORMA	NCE (NCR)			,
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Action Description Chief Eng	on B Sign & Date		if cation ecion C	Approval Chief Eng	Approval QC Inspector
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	2.04□New issue□K.	J/RF						tart Date: 07		- F	red Date: 1	16/04/2010
Component Item ID/ Item Name D2535 Spring IPP Rev:B 07-0 Replacement Item ID		B JLM Bin Item No	Primary Location	Last Location	Route Seq ID	Unit of Measure Each	Qty on Hand 35.0000	Remaining Qty To Pic 2.0000			Date (ssued	Status
			Warehou Loca Main Wai ST50	tion rehouse	<u>Loc</u>	Oty 35 35	Loc Code	i				
D2537 Bushing	Manufactured	No			110	Each	35.0000	2.0000	B584	Je	10/8	35/
			Warehou Loca Main Wa ST50	tion rehouse	<u>Loc</u>	35 35	Loc Code	, ; ;				
:D2931 Bumper	Manufactured	No		33101	110	Each	896.0000	2.0000	10/8/5	Sf)	· · · · · · · · · · · · · · · · · · ·
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DATE	STEP	Description of NC	1		Section B	Ciara 0	Verif	cation	Approval	Approval
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Parent Item Name: Heli-Utility-Basket		<u> </u>									•
Comments: IPP Rev:A□02.12.00 IPP Rev:B 07-06-2	4□New issue□K 28 As per Rev		Ī					tart Date: (Start Qty:		Required Date: Required Qty:	
Component Item ID/ Replacement Item Name Item ID AN3-16A	Mfg/ Purch Purchased	Bin Item No	Primary Location	Last Location	Route Seq ID	Unit of Measure Each	Qty on Hand 71.0000	Remainir Qty To P 2.0000	Pick Issued	Date Issued	Status
Bolt .			<u>Warehou</u> <u>Loca</u>	tion	<u>Loc</u>	<u>Otv</u>	Loc Code		MII432	13 /0/	\$ S
						71 21 50			· · ·		
AN4-7A 	Purchased	No			110	Each	249.0000	2.0000	10/8/	5 8	
			<u>Warehou</u> <u>Locat</u> Main War	tion	Loc	Qty	Loc Code	T		: 	
			ST35			249				!	; ;
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Parent Item: D130-701-041											
Parent Item Name: Heli-Utility-Baske	t	11451			ate mastr mimmi él ut libó l	1	S	tart Date: 07/	04/2010	Required Date	e: 16/04/2010
Comments: IPP Rev:A□02.12 IPP Rev:B 07-06	.04□New issue□: 6-28 As per Re		ſ				5	Start Qty: 1.00	0	Required Qty	
Component Item ID/ Item Name AN4-24A Bolt	Mfg/ Purch Purchased	Bin Item No	Primary Location	Last Location	Route Seq ID 110	Unit of Measure Each	Qty on Hand 37.0000	Remaining Qty To Pick 1.0000	Qty S Issued	Date Issued	Status
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AN5-17A	Purchased	No	Main Wain ST3		110	37 37 Each	17.0000	4.0000	_/ _/	221)	10/8/ 3
Bolt			<u>Wareho</u> <u>Loca</u>		Loc	<u>Oty</u>	Loc Code	·	VVIII 7 .	,	<u>8787 3</u>
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AN960JD416	Purchased	No		115550	110	Each	0.0000	2.0000	MIIS	000	10/8/55
AN960JD416L	Purchased	No			110	Each	483.0000	2.0000	10/	1/5 sl	1
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Work Order ID: 574													
	30-701-041		11881			FIL be ili biab i iibi iba							
Parent Item Name:	Heli-Utility-Basket							G.	; ;	(0.4/2010			
Comments:	IPP Rev:A □ 02.12.0 IPP Rev:B 07-06-			ſ					tart Date: 07 Start Qty: 1.0		Required Required		1
Component Item ID/ Item Name AN960JD516 NAS	Replacement Item ID 1149 2005 634	Mfg/ Purch Purchased	Bin Item No	Primary Location	Last Location	Route Seq ID	Unit of Measure Each	Qty on Hand 0.0000	Remaining Qty To Pic 4.0000		Dat Issu	ied	Status
AN960JD8 AS/12 Washer	19 DU 8321	Purchased	No			110	Each	0.0000	2.0000	M1153		8/8	/5SP
AN970-4 Washer	1 A D. 11 D.	Purchased	No			110	Each	151.0000	4.0000	10/8	1551		
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MS21042L3		Purchased	No	.=		110	Each	1,355.000	2.0000	M1147	18 /	0/8	155/
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W/O:	718.1	182	M	ORK ORDER CHANG	ES					
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DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Action Description Chief Eng	on B	Sign & Date		cation ion C	Approval Chief Eng	Approval QC Inspector
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Comments: IPP Rev:A □ 02.12.0 IPP Rev:B 07-06-)4□New issue□k ·28 As per Re		1					tart Qty:		Required Date Required Qty	
Component Item ID/ Replacement Item Name Item ID MS21042L4 Nut	Mfg/ Purch Purchased	Bin Item No	Primary Location	Last Location	Route Seq ID	Unit of Measure Each	Qty on Hand 1,590.000	Remainin Qty To F 4.0000		Date Issued	Status 8/5S/
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Work Order ID: 5744 Parent Item: D136												:
	0-701-041 Ieli-Utility-Basket								;			ş.
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Component Item ID/ Item Name D3177-043	Replacement Item ID		Bin Item No	Primary Location	Last Location	Route Seq ID 140	Unit of Measure Each	Qty on Hand 2.0000	Remaining Qty To Pic 1.0000	k Issued	Date Issued	Status
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6	Component Item ID/ Item Name Item ID AN4-7A Bolt		Bin	Primary Location	Last Location	Route Seq ID 140	Unit of Measur Each	Qty on	Remain Qty To	ing Oty	ed /	Date Issued	Status
5	AN4-12A	Purchased	No	Warehou Loca Main Wa ST35	<u>tion</u> rehouse	<u>Loc (</u>	249 249 Each	Loc Code 258.0000	2.0000	7	18	150	
5	AN5-10A	Purchased	No	Warehou Locat Main War ST35	<u>cion</u> ehouse		258 258 Each	Loc Code 209.0000	4.0000	2 M11		ia //	12-2
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Picklist Print Page 11 April 7, 2010 9:53:50 AM Work Order ID: 57449 Parent Item: D130-701-041 Parent Item Name: Heli-Utility-Basket Start Date: 07/04/2010 Required Date: 16/04/2010 Comments: IPP Rev:A□02.12.04□New issue□KJ/RF Start Qty: 1.00 Required Qty: 1.00 IPP Rev:B 07-06-28 As per Rev B JLM Component Item ID/ Replacement Mfg/ **Primary** Bin Last Route Unit of Qty on Remaining Qty Date Item Name Status Item ID Purch Item Location Location Seq ID Measure Hand Qty To Pick Issued **Issued** AN5-23A Purchased No 140 Each 42.0000 2.0000 Bolt Warehouse Loc Qty Loc Code Location Main Warehouse ST339 42 113121 20 113288 20 19278 2 Purchased No 140 Each 0.0000 5.0000 AN960JD516 NAS/149 DO 5631 Purchased 140 0.0000 Each 12.0000 Washer April 7, 2010 9:53:50 AM Shop Packet Print Page 11

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		leli-Utility-Basket							s	tart Date:	07/04/2010	Required Date:	16/04/2010
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6	Component Item ID/ Item Name MS21042L4	Replacement Item ID	Mfg/ Purch Purchased	Bin Item No	Primary Location	Last Location	Route Seq ID 140	Unit of Measure		Remaini Qty To 1	Pick Issued	Date Issued	Status
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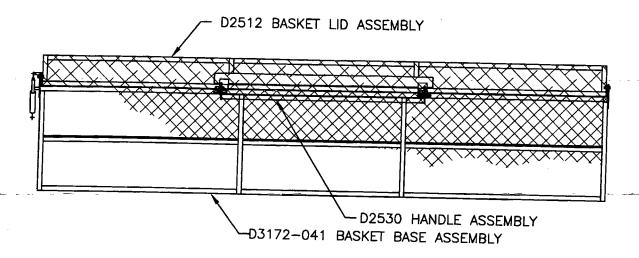
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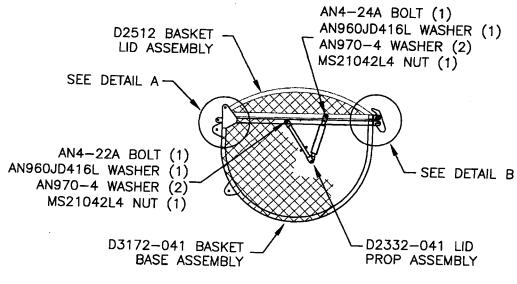
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IIN-D130-701 Page 8 of 10

WITHOUT NOTICE

WORK ORDER NO. 57449





PROP ARM DETAIL

Figure 6 – Basket Replacement Parts

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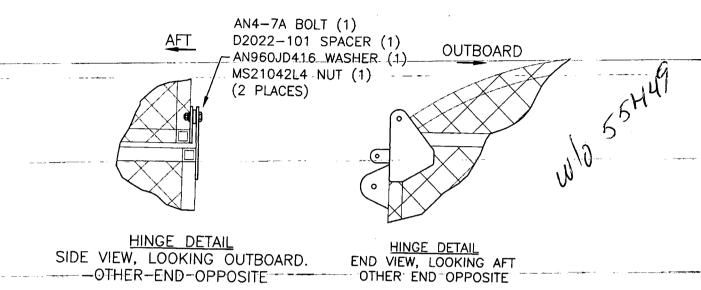
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Revision: B

Date: 03.01.07

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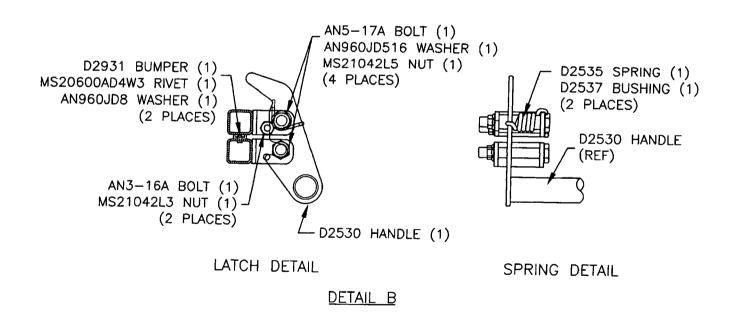


Figure 7 – Basket Replacement Parts continued

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Revision: **B**

Date: 03.01.07

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W/O:			V	ORK ORDE	R CHANGES	1916 - '-				
DATE	STEP	PRO	PROCEDURE CHANGE By Date					Qty Approval Chief Eng / Prod Mgr		Approval QG Inspector
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Part No		PAR #:								***
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4. WEIGHT AND BALANCE

Installation	Weight	LA	TERAL	LONG	SITUDINAL
		Arm	Moment	Arm	Moment
D130-701-041	120 lb	- 47.4 in	- 5688 in-lb	133.9 in	16068 in-lb
(LH installation)	54 kg	- 1.20 m	- 64.8 m-kg	3.40 m	183.6 m-kg
D130-701-041	120 lb	+ 47.4 in	+ 5688 in-lb	133.9 in	16068 in-lb
(RH installation)	54 kg	+ 1.20 m	+ 64.8 m-kg	3.40 m	183.6 m-kg
2 x D130-701-041	224 lb	0.0 in	0 in- lb	133.9 in	29994 m-kg
(LH and RH installation)	102 kg	0.00 m	0.0 m-kg	3.40 m	346.8 m-kg
D130-701-043	130 lb	- 47.4 in	- 6162 in-lb	133.9 in	17407 in-lb
(LH installation)	59 kg	- 1.20 m	- 70.8 m-kg	3.40 m	200.6 m-kg
D130-701-043	130 lb	+ 47.4 in	+ 6162 in-lb	133.9 in	17407 in-lb
(RH installation)	59 kg	+ 1.20 m	+ 70.8 m-kg	3.40 m	200.6 m-kg
2 x D130-701-043	235 lb	0.0 in	0.0 in-lb	133.9 in	31467 in-lb
(LH and RH installation)	106.8 kg	0.00 m	0.00 m-kg	3.40 m	363.1 m-kg
D130-701-013	25 lb	0.0 in	0.0 in-lb	133.9 in	3348 in-lb
(Fixed provisions)	11.4 kg	0.00 m	0.00 m-kg	3.40 m	38.8 m-kg

5. PARTS LIST

Qty -041	Qty -043	Qty -011	Qty -013	Part Number	Description
X '				D130-701-041	HELI-UTILITY-BASKET
	Х			D130-701-043	HELI-UTILITY BASKET
		X		D130-701-011	CONVERSION KIT
			Х	D130-701-013	FIXED PROVISIONS KIT
					TWEET THE VIOLENCE IN
2	2		Ī	*D2022-101	SPACER
1	11			*D2258-220	LABEL
1	1			*D2332-041	PROP ASSEMBLY
1	1			*D2512	BASKET LID ASSEMBLY
1	1			*D2530	HANDLE ASSEMBLY
2	22			*D2535	SPRING
2	2			*D2537	BUSHING
2	2			*D2931	BUMPER
1	1			*D3172-041	BASKET BASE ASSEMBLY
2				D3173-041	BEAM ASSEMBLY
1				D3177-041	BRACKET ASSEMBLY
1				D3177-043	BRACKET ASSEMBLY
1	1			D3180-041	STRUT ASSEMBLY
1	1			D3181-1	BUSHING
	1	1	1	D4037-1	AFT CHANNEL
	11	1	1	D4037-3	FWD CHANNEL
	1	1	1	D4038-041	ANGLE ASSEMBLY, FWD, LH
	1	1	1 `	D4038-042	ANGLE ASSEMBLY, FWD, RH
	1	1	1	D4038-043	ANGLE ASSEMBLY, AFT, LH
	1	1	1	D4038-044	ANGLE ASSEMBLY, AFT, RH
	1	1 –		D4039-041	FWD BRACKET ASSEMBLY
	11	1		D4039-043	AFT BRACKET ASSEMBLY
	4	4	4	D4040-1	RADIUS BLOCK
	1	1		*D4090-1	PLACARD (ON BASKET LID)
	1	1		*D4090-3	PLACARD (ON BASKET LID)

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Qty 041	Qty -043	Qty -011	Qty -013	Part Number	Description
	1	1	1	D4090-5	PLACARD
					IDIOARD
2	2			*AN3-16A	BOLT
2	2			AN4-12A	BOLT
1	11			*AN4-22A	BOLT
1	1 1			*AN4-24A	BOLT
(2)	3 (2)			+AN4-7A	BOLT
4	16	16	16	AN5-10A	BOLT
4	4			*AN5-17A	BOLT
2				AN5-23A	BOLT
4	4			*AN970-4	WASHER
	8	8	8	MS20002C5	WASHER
	12	12		MS20002C6	WASHER
)	2			*MS20600AD4W3	RIVET
2	2			*MS21042L3	NUT (OR MS21042-3)
(4)	7 (4)			+MS21042L4	NUT (OR MS21042-4)
(4)	28 (4)	24	24	+MS21042L5 /	NUT (OR MS21042-5)
	12	12		MS21042L6	NUT (OR MS21042-6)
	4	4	4	MS21250-05032	BOLT
	4	4	4	MS21250-05038	BOLT
	12	12		MS21250-06018	BOLT
	2			*NAS1149DN832J	WASHER (AN960JD8)
	2			*NAS1149D0416J	WASHER (AN960JD8)
2)	7 (2)			+NAS1149D0463J	WASHER (AN960JD416L) WASHER (AN960JD416)
4)	44 (4)	40	40	+NAS1149D0563J	MASHED (ANGELIDATE)
	12	12		NAS1149D0663J	WASHER (AN960JD516) WASHER (AN960JD616)
				12 11 1000000	WASHER (ANSOUD616)
					

* Pre-assembled prior to shipping

+ Quantity in () preassembled prior to shipping

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